

# Deep Sequencing Core Labs @ UMass Medical School

## Sample Submission Ticket

Core Lab Use Only v01.23

Sample ID# \_\_\_\_\_

FA File1 # \_\_\_\_\_

FA File2 # \_\_\_\_\_

### 1. Investigator / Client Information

Name: \_\_\_\_\_ Date: \_\_\_\_\_

PI/Lab: \_\_\_\_\_ Phone Number: \_\_\_\_\_

Mailing address: \_\_\_\_\_

Email address: \_\_\_\_\_

Account to be charged: \_\_\_\_\_ PI Signature: \_\_\_\_\_ (required)\*

\*Signature of PI / client indicates consent to process samples as described in DSCL Policies & Procedures, available online.

### 2. Sample Information: Complete one ticket AND one Sample Information List per sample set or flowcell and send the electronic version to the Core in addition to your paper submission. Sample name(s) on the list should match the name(s) on sample tube(s). When multiplexing a sample set with Illumina or your self-designed barcodes, each sample should be submitted in a separate tube.

Sample preparation is key to optimal performance. The presence of carrier, partial PCR products, modified bases, etc. will adversely affect run performance. If you did not perform any pre-run QC analysis such as sequencing topo clones, MiSeq pre-check, or library profiling, you will be ineligible for a re-run should your library(s) fail during cluster formation or the actual sequence analysis run. To facilitate processing and workflow, if not using a commercial kit please submit a library design schematic, reference, results from topo cloning/sequencing (when available), and/or other QC analysis performed prior to library submission. If you made any modification to the library construction design (e.g. added linkers, cloned out of a vector, etc.) you must submit a schematic. If using a custom primer, you must submit a schematic and topo cloning results. Please contact us if you have related questions.

**Sample Classification:** Is the sample(s) infectious or pathogenic to humans? \_\_\_\_\_ If yes, please describe the material(s) and any potential biohazards. \_\_\_\_\_

*\*Recommended Library Concentration and Volume for Submission: 20ul of a 10 - 20nM solution. Please note: If you submit less than the recommended amount, there may be insufficient volume for subsequent runs!*

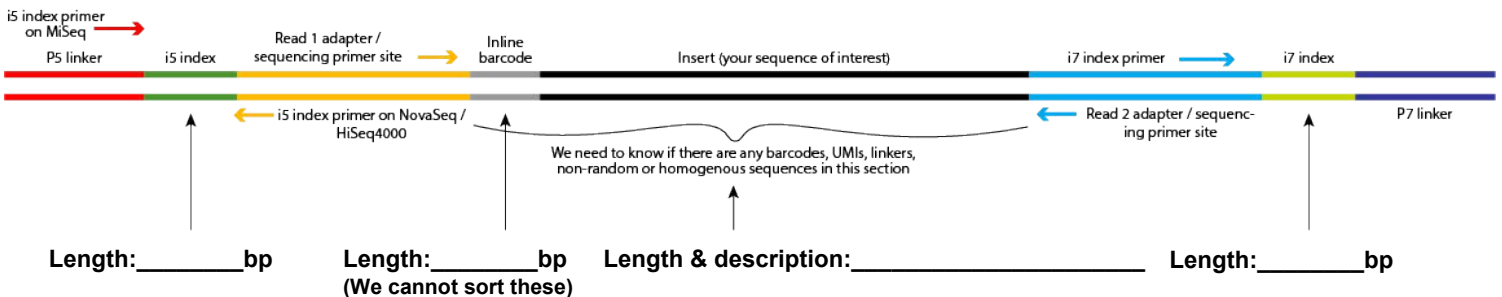
### 3. Library Adaptors Used:

Please indicate the linker/adaptor set used for library construction:

No Index in Adapters _____ old Illumina PE - Do not submit without prior approval.	Illumina Kit with Index in Adapters _____ Illumina or TruSeq DNA/ChIP/etc. _____ TruSeq small RNA _____ Illumina or TruSeq RNA _____ Illumina or TruSeq Stranded RNA _____ Nextera v. _____ _____ Targeted Capture assay	Other Vendor Kit/Index Set _____ Chromium 10X Genomics <sup>‡</sup> Version _____ _____ Takara/Clontech (Name, P/N: _____) _____ NEB (Name, P/N: _____) _____ NanoString (Name, P/N: _____) _____ Other (Name, P/N: _____) _____ Custom* (Describe: _____)
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‡ 10X Genomics samples contain 4 indices per P7 adapter/plate well. Please do not mix 10X Gen. samples unless all four index sequences are different between samples. If you do not know which indices are in the mix, please list the ID#/adapter wells with your index information.  
 \*Adaptors requiring custom primers must be pre-approved by the Core.

### 4. Multiplexed/Indexed/Barcoded Run: (Please indicate all that apply.) Index read analysis is required for Illumina-type indexing, even if you intend to perform sorting as part of your own analysis. You will only be delivered index sequencing reads for the indexing that was requested here. Note: There is an additional charge for the index read.



Do you want PhiX DNA control added to your sample? \_\_\_\_\_ If yes, choose one: 1% (NovaSeq std), 5%, 10%, 15%, 20%, other \_\_\_\_\_. This addition is required for libraries with low sequence diversity/complexity (such as Chromium 10X) to ensure the base balance needed for optimal imaging. Please Note: Based on the information you provide, should we deem it necessary we will automatically add the appropriate % of PhiX DNA to your sample(s).

